

Application No.: 10/823,706Docket No.: 2336-263**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)
2. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim [[1]] 7, wherein the support beams are elastic bodies for connecting the mass with the beam-fixing section which is arranged in an opening formed in a central portion of a body of the mass.
3. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim [[1]] 7, wherein the support beams are elastic bodies for connecting the mass with the beam-fixing sections arranged adjacent to the both ends of the mass.
4. (canceled)
5. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim [[4]] 7, wherein the movable and fixed compensation electrodes are comb-shaped electrode members which extend ~~are extended to a predetermined length~~ in the moving direction of the mass.
6. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim [[4]] 7, wherein the movable and fixed compensation electrodes are

Application No.: 10/823,706Docket No.: 2336-263

comb-shaped compensation electrode members which alternate with each other with a uniform gap.

7. (currently amended) An accelerometer capable of compensating for initial capacitances, said accelerometer comprising:

a horizontally movable floating mass;

support beams extending from a beam-fixing section to elastically support both ends of the mass;

movable electrodes extending outward from both sides of the mass to a predetermined length;

fixed electrodes extending from electrode-fixing sections to a predetermined length, and alternating with the movable electrodes with a predetermined gap; and

compensation electrode sections for displacing the mass in a moving direction of the mass to equalize an initial capacitance between the movable and fixed electrodes at one side with that between the movable and fixed electrodes at the other side;

~~The accelerometer capable of compensating initial capacitances according to claim 1,~~
wherein the compensation electrode sections include:

at least one movable compensation electrode extending outward from the both ends of the mass;

at least one fixed compensation electrode arranged parallel with the movable compensation electrode at a predetermined spacing to generate electrostatic force for attracting the movable compensation electrode upon application of electric power;

compensation electrode-fixing sections fixed adjacent to the both ends of the mass to power the fixed compensation electrode which extends toward the mass; and

a control unit for controlling the movement of the mass; [[, and]]

wherein the control unit includes a comparison section for comparing the initial capacitance between the movable and fixed electrodes at one side with that between the movable and fixed electrodes at the other side to obtain a comparison value, and a voltage-applying section for

Application No.: 10/823,706Docket No.: 2336-263

selectively applying voltage to the ~~a pair of~~ compensation electrode-fixing sections until the comparison value becomes zero.

8. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim [[1]] 7, wherein the compensation electrode sections are separately provided adjacent to the both ends of the mass.

9. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim [[4]] 7, wherein one of the movable and fixed compensation electrodes has at least one projection which contacts a body of the other of the movable and fixed compensation electrodes upon an opposed electrode in the deformation [[of]] thereof.

10. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim 9, wherein the projection has a ~~is extended in the~~ form of a prism to form a ~~perform~~ point contact with the ~~corresponding~~ other movable or fixed compensation electrode.

11. (currently amended) The accelerometer ~~capable of compensating initial capacitances~~ according to claim 9, wherein the projection has a ~~is extended in the~~ form of a semicylinder to form a ~~perform~~ line contact with the ~~corresponding~~ other movable or fixed compensation electrode.